Fig.1

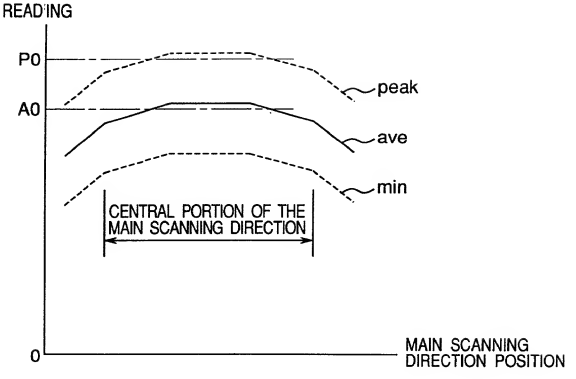
READING
P0
A0
peak
ave
min
CENTRAL PORTION OF THE MAIN SCANNING DIRECTION
0
MAIN SCANNING DIRECTION POSITION

Fig.2

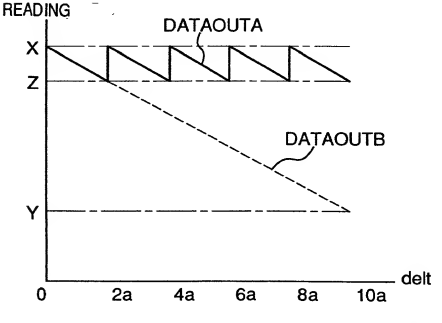
READING
DATAOUTA
X
Z
DATAOUTB
Y
delt
0
2a
4a
6a
8a
10a

Fig.3

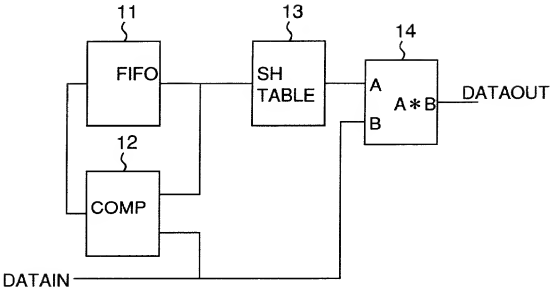
11
13
14
FIFO
SH
TABLE
A
A*B
DATAOUT
B
12
COMP
DATAIN

Fig.4

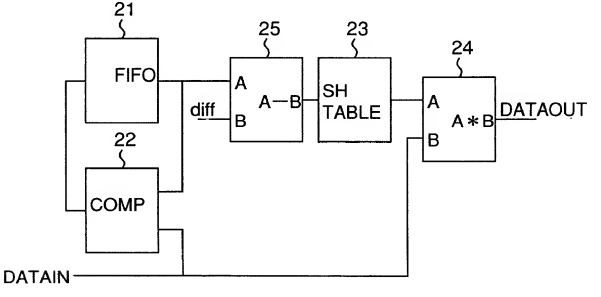
21
25
23
24
FIFO
A
A—B
SH
TABLE
A
A*B
DATAOUT
diff
B
B
22
COMP
DATAIN

Fig.5

n	BANK	delt	COMPENSATION COEFFICIENT
0	0	0~2a	(255/FIFOout) * ((A0)/A0)
1	1	2a~4a	(255/FIFOout) * ((A0+2a)/A0)
2	2	4a~6a	(255/FIFOout) * ((A0+4a)/A0)
3	3	6a~8a	(255/FIFOout) * ((A0+6a)/A0)
4	4	8a~10a	(255/FIFOout) * ((A0+8a)/A0)

Fig.6

n	delt	diff
0	0~2a	0
1	2a~4a	2a
2	4a~6a	4a
3	6a~8a	6a
4	8a~10a	8a

Fig.7

n	delt	G1
0	0~2a	G0 * ((A0)/A0)
1	2a~4a	G0 * ((A0+2a)/A0)
2	4a~6a	G0 * ((A0+4a)/A0)
3	6a~8a	G0 * ((A0+6a)/A0)
4	8a~10a	G0 * ((A0+8a)/A0)

Fig.8

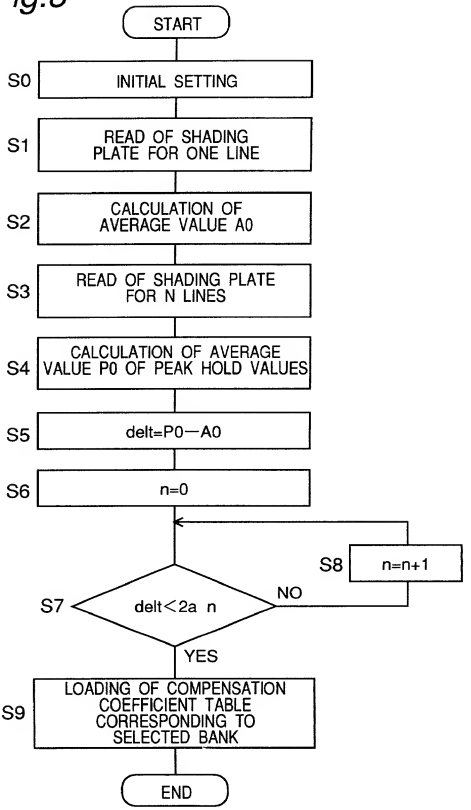
START
S0
INITIAL SETTING
S1
READ OF SHADING PLATE FOR ONE LINE
S2
CALCULATION OF AVERAGE VALUE A0
S3
READ OF SHADING PLATE FOR N LINES
S4
CALCULATION OF AVERAGE VALUE P0 OF PEAK HOLD VALUES
S5
delt=P0−A0
S6
n=0
S8
n=n+1
S7
delt<2a n
NO
YES
S9
LOADING OF COMPENSATION COEFFICIENT TABLE CORRESPONDING TO SELECTED BANK
END

Fig.9

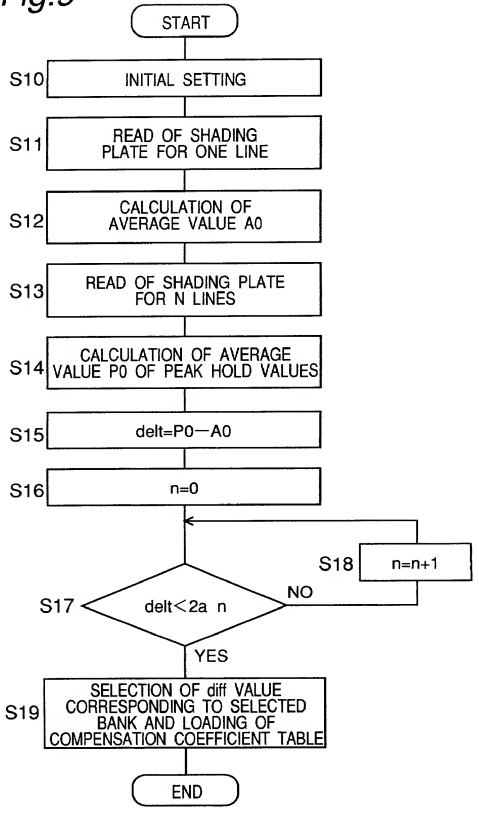
START
S10
INITIAL SETTING
S11
READ OF SHADING PLATE FOR ONE LINE
S12
CALCULATION OF AVERAGE VALUE A0
S13
READ OF SHADING PLATE FOR N LINES
S14
CALCULATION OF AVERAGE VALUE P0 OF PEAK HOLD VALUES
S15
delt=P0—A0
S16
n=0
S18
n=n+1
S17
delt<2a n
NO
YES
S19
SELECTION OF diff VALUE CORRESPONDING TO SELECTED BANK AND LOADING OF COMPENSATION COEFFICIENT TABLE
END

Fig.10

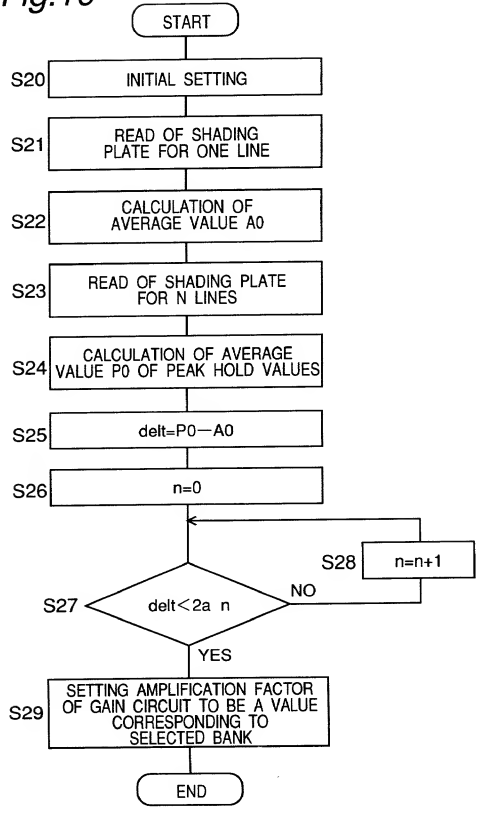
START
S20
INITIAL SETTING
S21
READ OF SHADING PLATE FOR ONE LINE
S22
CALCULATION OF AVERAGE VALUE A0
S23
READ OF SHADING PLATE FOR N LINES
S24
CALCULATION OF AVERAGE VALUE P0 OF PEAK HOLD VALUES
S25
delt=P0—A0
S26
n=0
S28
n=n+1
S27
delt<2a n
NO
YES
S29
SETTING AMPLIFICATION FACTOR OF GAIN CIRCUIT TO BE A VALUE CORRESPONDING TO SELECTED BANK
END

Fig.11

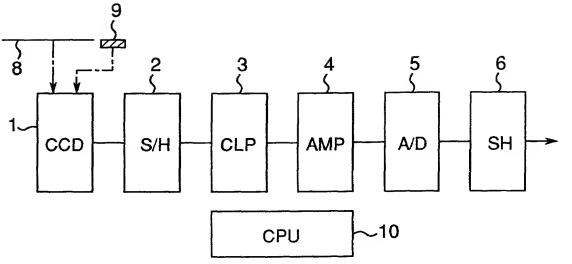

Fig.12A

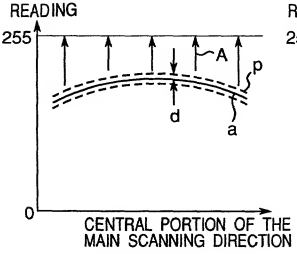
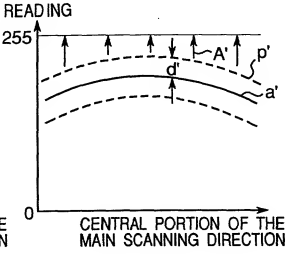
Fig.12B